

The Municipal Gazette

Vol. VIII.

SHANGHAI, THURSDAY, FEBRUARY 11, 1915.

No. 387

MUNICIPAL NOTIFICATION.

No. 2297.

FOREIGNERS will be vaccinated free of charge at the following Branch Health Offices:—
42 Woosung Road at 2 o'clock p.m. on Tuesdays.
Hankow Road (Shantung Road Cemetery) at 3.15 p.m. on Thursdays.

By order,
W. E. LEVESON,
Secretary.

Council Room,
Shanghai, January 28, 1915.

MUNICIPAL NOTIFICATION.

No. 2298.

RICSHA TICKETS.

NOTICE is hereby given that after this date the sale of Ricsha Tickets will cease. All outstanding tickets must be redeemed at the Tax Office on or before March 31, 1915, after which date they will not be recognised.

By order,
W. E. LEVESON,
Secretary.

Council Room,
Shanghai, January 31, 1915.

MUNICIPAL NOTIFICATION.

No. 2299.

CHINESE NEW YEAR HOLIDAYS.

NOTICE is hereby given that the Municipal Offices will be closed to public business from Monday, February 15, to Thursday, February 18, inclusive.

By order,
W. E. LEVESON,
Secretary.

Council Room,
Shanghai, February 11, 1915.

AT the meeting of the Electricity Committee held on Monday, February 8, 1915, at 4.30 p.m., there were:—

Present:
Messrs. A. W. Burkill (*Chairman*)
C. M. Bain
F. A. Fairchild
A. S. P. White-Cooper
G. Willeumier

The meeting adjourned at 6.15 p.m.

AT the meeting of the Watch Committee held on Tuesday, February 9, 1915, at 4 o'clock p.m., there were:—

Present:
Messrs. H. C. Gulland (*Chairman*)
C. E. Anton
A. Hide

The meeting adjourned at 5.15 p.m.

AT the meeting of the Council held on Wednesday, February 10, 1915, at 4.30 p.m., there were:—

Present:
Messrs. E. C. Pearce (*Chairman*)
C. E. Anton
E. I. Ezra
H. C. Gulland
A. Hide
Count L. Jezierski
Messrs. C. G. S. Mackie
W. L. Merriman
A. S. P. White-Cooper

The meeting adjourned at 6.40 p.m.

Volunteer Corps.

Staff.—The resignation of Hon. Lieut. and Quartermaster E. C. Fry from February 1, was forwarded by the Commandant and accepted by the Council with regret on January 6.

"A" Company British.—The resignation of Lieut. J. E. Needham was forwarded by the Commandant and accepted by the Council with regret on January 6.

New Central Offices.

The Council has had under discussion during recent months the question as to whether the new building should be carried out in natural or artificial stone. *Vide Note in the Gazette of October 22.* For the present it has been decided to use natural stone for the plinth course only, at a cost of Tls. 15,000, and to allow the larger question involving a total expenditure of Tls. 280,000 to stand over until after the forthcoming Meeting of Ratepayers. The following report by the Municipal Engineer sets out the position with regard to the cost of the building as a whole:—

Public Works Department,
Shanghai, February 2, 1915.

CENTRAL OFFICES.

GRANITE.

The following notes are written with the view of placing the past history of the subject before the Council in a concise form. I will deal with such references as I have been able to find in chronological order.

Reference: Report of Municipal Buildings Committee, February 1913, page 4.

The Municipal Buildings Committee recommended that the buildings be constructed in reinforced concrete.

I think the members of the Special Committee will agree that the word "constructed" was used advisedly with the idea of providing an up-to-date fire-resisting building as in contradistinction to one containing wooden floors, etc.

Reference: (1) Municipal Buildings Committee Report, page 10.

(2) see Design III attached to same Report.

The estimate of Tls. 750,000 (1) for Design III (2) was drawn up before any detailed plans had been prepared. The only plan in existence at that time was a block plan drawn to a scale of 50 feet to an inch published with the Municipal Buildings Committee Report.

It will, I think, be readily understood that any estimate in such early stages would of necessity be a very rough one. That this was so may be gathered from the original pencil notes of the calculations which are as follows:—

North	1,210,000 cubic feet
East	975,000
	100,000
S.V.C.	429,000
	2,714,000
Drill Hall, etc.	300,000
	3,014,000
Cost	3,014,000 cubic feet
	4*
	= 753,000 Taels
	say Tls. 750,000

The figure "4" marked by an asterisk (*) was arrived at by a series of calculations on other buildings, involving a mass of figures too tedious for repetition. It means, in fact, that $\frac{\text{cubic feet}}{4}$ —Cost in Taels or Tls. 0.25 per cubic foot.

Reference: Municipal Gazette March 21, 1913, Vol. VI, page 79.

In the discussion which took place at the Ratepayers' Meeting on March 19, 1913, the then Chairman of the Council—Mr. Burkill—alluding to this estimate, said:—

"What is before the Ratepayers is the purchase of this Cadastral Lot 17, and I distinctly stated that no building scheme was contemplated which would exceed what is laid down, Tls. 750,000."

The Chairman's remark quoted above was, of course, made at a moment's notice and as I have already pointed out, the estimate to which he referred was based on a preliminary and incomplete sketch.

Reference: Report of Committee of the Council published in December 1910 and reproduced in Report of Municipal Buildings Committee, 1913.

The instructions at that time were that "the Central Police Station, Central Fire Station and the Health Office are permanent modern buildings which will form part of the whole scheme."

Municipal Gazette, March 20, 1913, Vol. VI, page 73.

Dealing with this question at the Ratepayers' Meeting, Mr. Burkill said:—

"Only yesterday afternoon (March 18, 1913) a report was presented to the Council by our new Chief Officer of the Fire Brigade, who, noticing that it was intended that the Fire Station should remain in the Honan Road, pointed out that Designs 1 and 2 will not allow modern fire appliances to come out of the Station and turn quickly in the narrow space of 40 feet which is provided. I very much regret that the Buildings Committee had not the opportunity of consulting Mr. Pett when they were deliberating on the requirements of each Department. For, as you see, the schedule takes no account of Fire Brigade requirements, because we were under the impression that the Central Fire Station, a comparatively new building, would suffice for the present. The growing number of high buildings in Shanghai necessarily means more powerful and bigger fire appliances, and the Budget which I shall introduce to you later makes some provision in this direction, but from what I can see there is little doubt that further such demands will be made on the public purse in the near future."

After the Ratepayers' Meeting of March 19, 1913, the views of the Chief Officer of the Fire Brigade were taken and after going into the question of the status of the Fire Station and Health Office Buildings, the Chief Architectural Assistant reported as follows:—

Reference: Departmental Report by Chief Architectural Assistant, dated April 28, 1913.

"The demolition of the Health Building necessitates the inclusion in the new buildings of the entire Health Offices and quarters and there can be no doubt that by so doing, a more serviceable plan can be devised than by any possible arrangement of additions to the present building, and this is feasible without divergence from the plan approved, *provided the Fire Station occupies the same position as at present*, but of course, set back to the new building line."

This necessitated making provision for the whole of the Health Department's accommodation in the new building, and it was decided that—

Reference: Minute of Works Committee, dated April 28, 1913.

"The detail plans in preparation will accordingly show the Central Fire Station in the same relative position as the present building, while the new Health Offices at the corner will contain provision for the whole of the requirements of the Health Department."

Vide also Departmental Report by Chief Architectural Assistant, dated March 18, 1914 forwarded to Council, March 18, 1914.

The inclusion of this accommodation added Tls. 50,000 to the estimated cost of the building thus increasing it from Tls. 750,000 to Tls. 800,000.

About this time the sketch designs had been prepared more or less in detail and included a "Tower," which was not anticipated in the sketch plans of 1912 (see above). In September the Council directed that the Chief Architectural Assistant should proceed to London to place the designs before Mr. Reginald Blomfield, President of the Royal Institute of Architects.

This was done with the result that the Chief Architectural Assistant returned to Shanghai in December, bringing Mr. Blomfield's report which referred to his having prepared an alternative elevation. The report said:—

Reference: Letter from Mr. Blomfield, dated October 29, 1913.

"In preparing this elevation I have had in view its execution in granite, which would, I suggest, make a very much finer building than artificial stone, and would, of course, entail a good deal of simplification in detail."

Commenting on Mr. Blomfield's report the Chief Architectural Assistant said:—

Reference: Departmental Report by Chief Architectural Assistant, dated January 6, 1914.

"Mr. Blomfield emphasises the desirability of carrying out the whole work in granite and he states that his suggested treatment is based on the assumption that granite will be used. I felt, however, that the extra cost and delay in execution would be prohibitive and therefore his simplified treatment of detail was not expressed in the perspective."

It was at this point that the discussion as to adoption of "Granite" or "Artificial Stone" commenced, and when the matter was before the Works Committee on January 12, 1914, I distinctly remember that the feeling of the meeting was, generally speaking, averse to adopting Mr. Blomfield's suggestions. The minute reads:—

Reference: Minute of Works Committee Meeting held on Monday, January 12, 1914.

"The Committee carefully comparing the original drawing, Mr. Blomfield's suggested modifications, and the perspective, goes exhaustively through the points raised, confirming generally the action which Mr. Turner has taken as regards the adoption of Mr. Blomfield's suggestions."

Reference: Letter from Secretary to Mr. R. T. Blomfield, dated January 20, 1914.

A letter was subsequently sent to Mr. Blomfield containing the following passage:—

"As regards construction in granite in preference to artificial stone, the question resolves itself practically into one of cost, and, inasmuch as granite is obtainable locally only at a higher cost by 80 per cent., it is improbable that it will be adopted. Further than this, the experience of local architects as regards artificial stone is in the main satisfactory."

Reference: Minute of Works Committee Meeting, January 12, 1914.

If I remember rightly it was at this Meeting that I was asked what would be the extra cost of granite facing. I gave an unconsidered opinion of 80 per cent.—a fairly accurate estimate

under normal conditions. It appears, however, that the Committee considered that this increase referred to the whole structure and not only to the "facing." This misunderstanding was unfortunate because I think it should have been clear that the adoption of granite for facing (and that was all that was under consideration) could not possibly affect portions of the building where granite could not be used.

This misunderstanding probably arose through my speaking in what we may call "quantity surveyor's" terms, where the technical expression "extra only on so and so," means the increased cost on certain items only. To give a case in point. A building owner enquires what would be the extra cost of providing marble instead of wooden staircases. The reply would be.....per cent. but that percentage would not refer to the cost of the whole building.

That such an important misunderstanding had arisen is evidenced by the Works Committee Minute of March 30, 1914, which says:—

Reference: Minute of Works Committee Meeting held on March 30, 1914.

"A report by the Engineer is submitted, estimating the cost of the projected buildings at Tls. 8 lakhs if carried out in artificial stone, or Tls. 1 million if in granite, while the estimated time of completion is respectively 2½ and 3 years. The excess, Tls. 2 lakhs, includes all costs in extra rents due to the longer period, and is far less than the Committee anticipated, the members having been under the mistaken impression that granite would cost 80 per cent. more than artificial stone. The Engineer states that there will be difficulty in obtaining sufficient granite either from Soochow or Kiaochow uniform in colour. The members are of opinion that, inasmuch as granite will give the whole building a much improved appearance and will enable the detail of the design to be considerably simplified, the point is one calling for further consideration and the Engineer is directed to make further enquiries on the subject of granite and to report more fully in re."

From this Minute it would appear that at this time the Works Committee though not willing to go to an increase of 80 per cent. (as they understood it—Tls. 640,000)—would have been willing to recommend the Council to authorise something much less—say Tls. 200,000.

The matter lay dormant for some time and it was assumed that the use of granite had been disposed of.

Under the head of "Buildings" the Engineer's Annual Report for 1913 (issued in March 1914) contains the following passage:—

Reference: Annual Report of Council for 1913, page 9B.

"Central Offices.—In his report Mr. Blomfield has urged the use of granite for the main facades of the building and with that end in view has suggested certain minor alterations in detail. On the grounds of both cost and delay in obtaining this material the use of granite for this large building is impracticable."

In forwarding a Departmental Report by the Chief Architectural Assistant in March, 1914, I said:—

Reference: Report dated March 18, 1914.

"The use of granite was not anticipated in the previous estimate and the Council has decided against it, so that the estimate of Tls. 1,000,000 need not be considered. The increase of Tls. 50,000 due to re-arrangement of the Health Department accommodation is explained in the Report." The authorised expenditure at this time was therefore:—

	Tls.
Original estimate	750,000
Additional—	
Health Department accommodation	50,000
Tower (in artificial stone)	32,000
	Tls. 832,000

We now pass on to the receipt of tenders, which were as follows:—

	A. Granite	B. Artificial Stone
	Tls.	Tls.
Wong Kor Sung	1,050,000	880,000
Sing Tai	985,000	860,000
S. Quai Ling	989,400	882,500
Lee Hop Shun	987,000	855,000
Yao Sing Kee	973,890	823,315
Hong Mow Kee	936,500	796,500
Chung Yeh Zunt	828,500	768,300
Joe Ming Kee	909,500	769,500
*Yue Chang Tai	879,500	*599,850
Kaung Yue Kee	869,000	689,500
Sing Jin Kee	839,500	699,500

*Accepted.

In my Report of October 1, I said:—
Reference: Report to Council dated October 1, 1914.

"I therefore suggest that if the tender of Yue Chang-tai for artificial stone is accepted, it should be announced that the Council reserved to itself the right to reconsider the question for granite facing at a future date."

This was approved by the Council and on October 16, 1914, the Contractor was written to as follows:—

Reference: Letter from Secretary to Yue Chang-tai, dated October 16, 1914.

"I am to add that the Council reserves the right to substitute granite for artificial stone as a facing for the building at any time within six months from this date and at a price to be agreed between the Council and yourself."

The following items for which contracts have been let or will need to be let, were not included in the building contract:—

	Tls.
Heating and water service	66,600
Locks, fittings, steel casements, safe doors, roller shutters and ironwork	91,500
Electric light and bells	6,000
Tiles, marble and conolite	28,500
Facing bricks, cement work, drainage and paving	16,400
Lifts	30,000
Vacuum cleaning	6,500
Drill Hall Steel work—say	50,000
Motor Sheds	12,000
	Tls. 307,500

We therefore have what may be termed commitments as follows:—

	Tls.
Building contract	599,850
Extras	307,500
	907,350
Against an estimated expenditure of (see above)	832,000
An excess of Tls.	75,350

or less than 9 per cent.; a large portion of which is due to increased cost of steelwork owing to the War.

The contract with Yue Chang-tai was signed on October 21, 1914, and the Contractor taking full advantage of the fine weather has made remarkable progress, so that on January 18, 1915, only three months after signature of the contract, work was so far advanced that the question of adoption of granite facing was brought before the Works Committee.

The minute reads as follows:—

Reference: Minute of Works Committee Meeting held on January 18, 1915.

"New Central Offices.—The Engineer states that the time is approaching when it will be necessary for the Council to decide whether or no to adopt a granite facing, and he undertakes to obtain new quotations from the Contractor for facing (a) the ground floor, (b) the ground floor and columns, and (c) the whole building. These will receive the Council's consideration during the next few weeks."

The Contractor's tenders submitted to the Council on January 22, were as follows:—

For granite facing throughout (except attic storey which is set back) extra only over artificial stone	Tls. 259,950
For granite facing to first floor level and 58 main columns extra only over artificial stone	135,000
This last item of Tls. 135,000 is made up as follows:—	Tls.
Plinth course	15,000
Remainder of facing to first floor level	99,000
58 Columns	21,000

My statement that there would be difficulty in obtaining sufficient granite uniform in colour has been fully borne out by the experience of Messrs. Moorhead & Halse in the case of the McBain building, but we are dealing with the same contractor and he states that he "can guarantee," although he has had to pay for his experience in the McBain building, the bamboo screens however have not yet been removed. I have, however, gone over it to-day and find that the granite facing of the first two floors is infinitely superior to the artificial stone above. In view of this experience I have no hesitation whatever in advising the adoption of granite not only to the first floor level but for the whole facing (except the attic storey) and I am convinced that if the bamboo shuttering could be removed from the McBain building, public

opinion would be universal. It should be remembered that the buildings now in course of construction should be of the best—of a type which may be copied by others—in fact, I do not think I can do better than conclude by quoting from a leading article in the "North-China Daily News" in March last, viz.:—

"The Ratepayers are fully prepared to spend a large sum of money; in accepting the major scheme of construction put before them last year, they bore witness to their recognition of the fact that they were building for all time, and to their anxiety to leave something behind them which should indeed be worthy of admiration and of the prestige of Shanghai."

CHAS. H. GODFREY,
Engineer & Surveyor.

Road Extensions and Widenings.

Hankow and Fokien Roads.—Negotiations have been concluded with Messrs. Hanson, McNeill, Jones & Wright, for the surrender of the scheduled strip of Lot 525 on the basis of the assessed value, Tls. 21,000 per mow, plus ten per cent. for compulsory surrender, and less one-third for betterment in respect of the area required for the Hankow Road which in this section is less than 30 feet in width. The areas and allotment of compensation are accordingly as follows:—

Fokien Road Mow	0.065 Tls. 1,501
Hankow "	" 0.037 " 570
	Tls. 2,071

Public Lighting.

Avenue Road.—A rearrangement of the lighting has been authorised in the section of this road between Carter and Medhurst Roads involving alteration in the position of two lamps and erection of an additional 60 c.p. metallic filament lamp at an increased cost of Tls 23 per annum.

Municipal Staff.

Police Force.—Plain Clothes Constable Calder reverted to uniform duty on January 31.

Health Department.—Six months' leave is granted to the following:—

Inspector H. Bland from	April 16.
Assistant Inspector D. P. W. Jones from	March 21.
Assistant Inspector G. J. Turnbull from	April 15.

Miss M. Howell was appointed Probationer Nurse with effect from January 1.

Voluntary War Service.—The following availed themselves of the provisions of the arrangement contained in the Gazette of October 15, 1914.

Public Works Department.—Mr. H. E. Pollard, Assistant Engineer, and Mr. A. Scougall, District Inspector.

Band Performances.

The attendance on Sunday, February 7, numbered 574.

On Sunday next, February 14, at 4.30 p.m., the programme will be as follows:—

1. Overture "L'Arlésienne" Bizet
 2. Rustic Dance Cowen
 3. Symphonic Poem "Le Rouet d'Omphale" Saint Saëns
 4. Second Symphony (D-major) Brahms
 - (a) Allegro non troppo
 - (b) Adagio non troppo
 - (c) Allegretto grazioso
 - (d) Allegro con spirito
- Conductor, Professor R. Buck.

Plans of New Buildings Approved.

Cad. Lot	Road.	Applicant.	Description.
			<i>Foreign.</i>
82	Nanking	J. Ambrose	addition to house
2510	Wetmore	E. J. Muller	1 Cotton Mill & 2 latrines
			<i>Chinese</i>
331	Chihli	J. Ambrose	2 houses
53A	Foochow	Atkinson & Dallas, Ltd.	addition to house
446	Socchow	Hanson, McNeill, Jones & Wright	alterations to houses
2353	Yangtze-poo	Charrey & Convery	1 house, 1 gatehouse & lodge
N of 6887	do.	Chinese	1 house & 1 gatehouse
938	Carter	M. Perry	5 houses
S of 1778		Chinese	4 houses
N of 4281	Gordon	do.	3 houses
4839	Ichang	do.	42 houses
2805	Nanyang	Dinham & Rose	1 gatehouse, latrine & boundary wall
N of 1880	Weihaiwei	Chinese	14 houses & 1 gatehouse
E of 2181	do.	do.	8 houses

Return of Communicable Diseases.

Reported during the week ending Sunday, February 7, 1915.	Cases notified among Foreign resident population of 14,500	Deaths among Chinese resident population of 57,500
Small-pox.	4	5
Cholera.	0	0
Typhoid Fever	2	—
Diphtheria.	0	1
Scarlet Fever.	4	5
Tuberculosis	1	16
Plague	0	0
Dysentery	0	0
Total Deaths from all Causes	12	155

ARTHUR STANLEY,
Health Officer.

Engineer's Report for January.

Roads.—The ballasting and metalling of the mud tracks is being carried out in Markham Road and Manila Road, the adjoining properties in each of these roads having become sufficiently developed to warrant such work.

Tungechow Road is also being made up for the section which adjoins the Municipal Workshops.

The ballasting and metalling of the 12ft. strip in Edinburgh Road has been completed for the section between Siccawei Road and Great Western Road.

The existing side ditches of various roads in the Western District are being filled in, that in Hart Road having been done and the work on the one in Great Western Road being in hand. A considerably widened footpath will be one of the advantages thereby gained.

Drainage.—The laying of the culvert in Defence Creek is completed to about midway between Hankow Road and Foochow Road. The excavation and laying of the foundations are completed as far as Cemetery Road Bridge, and the creek is dammed up for its entire remaining length, the dam being now placed at the junction with the Yangkingpanz. The laying of the tubes was postponed towards the end of the month owing to the output from the Concreteware Depot having been reduced on account of the severe frost experienced during the month.

Buildings.—Notwithstanding some days' delay on account of the severe frost work on the new Central Offices has progressed rapidly during the month. The foundations apart from those of the Tower and Drill Hall, are now complete, and the brick walls have been built up to ground level. The somewhat elaborate reinforcements for the Tower foundations are being proceeded with and the apparatus for driving the piles for the foundations of the Drill Hall is in position.

The work at the Nieh Chih-kwei Public School for Chinese is proceeding satisfactorily, and the walls are up to the level of the first floor joists.

The foundations of the new Thomas H. H. School for Boys are complete and the brickwork has been commenced.

The Tonquin Road Electricity Substation is completed.

The reinforced concrete work on the Hose-drying Tower at the Sinza Fire Station was somewhat delayed by the frost, but the structure is now practically finished.

The playshed at the Ellis Kadoorie Public School for Chinese is finished except for the paving.

The stable extensions at the Bubbling Well Police Station are complete and in use.

The walls of the Sentry Tower at the Gaol are up to roof level, and the centring for the reinforced concrete roof is being erected.

Fingchiao Quarry.—1,648 fong of road material was dispatched to the Public Works Department during the month, and 36 fong on behalf of the French Council.

Cleansing and Watering. Total

Road sweepings collected 4,480
Used for raising land 555
Water used for street watering 2,073,200 gallons.

Labour.—The average daily number of labourers employed was as follows:—

Coolies 2,392
Artizans 366
Foremen 202
Mafoos 167
Convicts 199

Concreteware.—The following has been produced during the month:—

Hand-made 26,050 pieces
Machine-made 4,275 "

Out of the 26,050 hand-made pieces 23,830 pieces are bricks for the new Central Offices.

Casual Ward.—There was one admission during the month.

New Buildings.—Summary of work done during the month:—

Description of Work	Total
*Buildings under construction	253
Plans submitted for approval	53
Plans approved	46
Inspections by Inspectors	2,407
Boundary walls erected	1
Carpenter and watchmen's sheds erected	21
Repairs to buildings effected	78
New shop fronts inserted	22
Shop fronts, etc., painted	214
Alterations effected	27
Fences erected	22
Sign-boards erected	387
Temporary cloth sunshades erected	31
Temporary mat sunshades erected	6
Dangerous notices issued	12

*These figures refer to the number of blocks of buildings under construction, the number of houses would be considerably greater.

Dangerous Structures.

Dangerous structures reported by the Public Works Department	10
1st Intimation Notices issued	10
2nd " " "	2

Survey Work.

Official measurements of new lots	55
Boundary stone certificates issued	57
Consular lots surveyed	22
New Consular lots placed under taxation	10
Official plans prepared	35
Surveys made in connexion with Road Widening and/or Extensions	46
Lots examined to ascertain whether they included roads and/or waterways which are or may in future be of use to the public	55

M. C. R. Stones have been erected as follows:—

Central District 8
Northern " 14
Eastern " 4

CHAS. H. GODFREY,
Engineer & Surveyor.

**Health Officer's Report
for January.**

The month was characterised by a marked prevalence of smallpox among Foreigners unaccompanied by similar prevalence among the Chinese. It was considered advisable to extend the benefit of free vaccination to such Foreigners as cared to come to the Branch Health Offices and share this benefit with the Chinese. Two of the sixteen Branch Health Offices were publicly advertised as providing such vaccination for Foreigners, namely, at 42 Woosung Road at 2 p.m. on Tuesdays and at Hankow Road (Shantung Road Cemetery) at 3.15 p.m. on Thursdays.

Scarlet fever has become more prevalent. All sore throats accompanied by fever should receive immediate attention from a doctor especially if accompanied by a rash on the neck and chest, so as to secure early isolation. Parents should be careful as to the movements of their children so as to limit so far as possible the chance of infection. Infection is practically always got by close contact with a case of scarlet fever or a case of scarlet fever that has recovered from the fever but still has an infected throat nose or ear discharge. Occasionally a person may have a sore throat but the rash last such a short time that it is not detected and the case is not recognised as scarlet fever until others in the same house contract the disease. It is easy to prevent by early and careful isolation. And this measure is especially important in Shanghai where Scarlet fever is of a very severe type.

Here follow tables of Vital Statistics, Infectious Diseases and Outdoor Sanitary work, including a special summary of Plague Prevention, work done in the Municipal Laboratory, Municipal Hospitals and Slaughterhouse.

ARTHUR STANLEY,
Health Officer.

DEATHS.

	Foreign.	Chinese.
Resident	Non-resident.	
Small-pox	5	3
Typhoid Fever	0	0
Diphtheria	0	0
Scarlet Fever	0	0
Tuberculosis	2	0
Beri-beri	0	2
Dysentery	1	0
From all causes	29	9

**INFECTIOUS DISEASES NOTIFIED AMONG
FOREIGN RESIDENT POPULATION.**

Small-pox	16
Typhoid Fever	6
Diphtheria	2
Scarlet Fever	10
Tuberculosis	1

ISOLATION HOSPITALS.

	Foreign.	Chinese.
Cases Admitted—Small-pox	17	7
Typhoid Fever	0	1
Diphtheria	0	1
Scarlet Fever	8	9
Beri-beri	0	5
Other Diseases	6	44
Discharged	15	59
Died	8	5
Remaining last day of month	23	51

MUNICIPAL LABORATORY.

Small-pox vaccine issued	13,531
Cases undergoing anti-rabic treatment	7
Bacteriological examinations	354
Analyses	41

VICTORIA NURSING HOME.

	Cases admitted.	Nursed outside
Medical	28	0
Surgical	28	1
Maternity	12	2
Mental	3	1
Total	71	4

REPORT ON ANALYSIS OF WATER.

Sample received January 28, 1915.

Report sent out February 7, 1915.

Sample of Shanghai Waterworks Co.'s Water.

Physical Characters.—Yellowish green colour with moderate opacity. Faintly alkaline reaction.

Solid Matter in Solution	15.3
a.—Volatile	5.4
b.—Fixed	9.9
Appearance on Ignition—Slight charring	
Total Hardness	9.0
a.—Temporary	4.2
b.—Permanent	4.8
Chlorine	2.6
Nitrogen as Nitrate	0.0678
Saline Ammonia	0.0013
Albuminoid Ammonia	0.0120
Poisonous Metals	Nil
Nitrites	Nil
Phosphates	Minute traces
Sulphates	Traces
Oxygen absorbed in 1 hour at 37° C.	0.0311

Bacteriological Examination.—Nutrient agar plates at 23° and 37° C. showed an average of 60 and 25 microbes per cubic centimetre respectively.

Organisms of the coli group were not present in quantities up to 1 cubic centimetre of the water.

Report on Analysis.—A sample of water of a high degree of biological and chemical purity.

SLAUGHTER-HOUSE RETURNS.

	Slaughtered.	Rejected at Slaughter-house.	Passed for Slaughter from Cattle-sheds.	Passed for Export from Cattle-sheds.	Rejected at Cattle-sheds.
Oxen	1358	5	1358	0	0
Sheep	2334	1	2334	20	0
Calves	320	1	320	0	1
Pigs	272	2	0	0	0

SUMMARY OF PLAGUE PREVENTION WORK

	District				Total
	Central	Northern	Eastern	Western	
Rats found dead and brought to the Laboratory for examination	317	248	187	176	918
Rats plague infected	1	12	2	0	15
Human plague cases	0	0	0	0	0
No. of traps in operation	3600	3200	2500	1400	10700
No. of rats trapped and buried	1328	4423	3182	2271	11704
Poisoned baits laid	144300	237800	98400	74660	565150
Houses temporarily rat-proofed and disinfected under notice to occupier	94	385	179	0	658
Houses rat-proofed under notice to owner	169	221	11	1	402
Persons vaccinated against plague	0	0	0	0	0

GENERAL SANITARY WORK.

	District				Total.
	Central	Northern	Eastern	Western	
Vaccination against small-pox	211	412	187	95	885
Enquiries after notification of Foreign cases of infectious disease	3	15	5	3	26
Enquiries after notification of Chinese cases of, and deaths from, infectious disease	29	54	75	22	180
Rooms disinfected after infectious disease	45	1601	174	394	2214
Articles of clothing, bedding, etc., disinfected by steam	4396	5102	2728	2980	15,206
houses cleaned and limewashed	144	799	142	38	1123
Ventilation and lighting amended	1	0	3	0	4
Defective drainage amended	8	25	31	25	89
Insanitary wells abolished	0	0	0	1	1
Proper water supply provided	0	0	0	0	0
Insanitary latrines and urinals rendered healthy	5	3	4	1	13
Ordure pits and kongs abolished	0	7	38	0	45
Ex. o-ed coffined corpses removed and buried	0	24	19	3	46
Smoke nuisances suppressed	0	13	1	7	21
Offensive trade processes amended	0	2	0	0	2
Beggar-boats removed	0	1	26	0	27
Complaints of insanitary conditions received from the Public	16	25	4	9	54
Insanitary conditions reported by the Health Office	40	81	90	38	249
Written intimations issued for sanitary amendment	187	270	147	1	585
Second written intimations issued for sanitary amendment	0	3	6	0	9
Notices of intention to proceed served	0	0	0	0	0
Samples taken for analysis	4	4	10	17	35
Pounds of unsound food destroyed	10	259	385	177	831
Hawkers brought into Markets	4	81	405	138	628
Food prosecutions	32	4	2	0	38
House refuse prosecutions	20	32	23	0	75
Laundry and other prosecutions	4	4	8	0	16
Tons of ordure removed	1715	2421	1948	1508	7590
Tons of house refuse removed	4917	3249	2376	1692	12,234
Cement refuse receptacles erected	0	8	0	14	22

**MILK FROM LICENSED DAIRIES EXAMINED IN THE LABORATORY AND FOUND
ADULTERATED, ETC.**

Dairy	Licensee	Situation	Adulteration, etc.
Bubbling Well	K. C. Sung	160 Bubbling Well Rd.	23% added water.
Fok Kyi	Tsa Ah Hoo	Z. 815 Gordon Road	45.85% added water.

**Summary of General Municipal Rate, December Quarter.
Foreign.**

	1914.		1913.		1912.	
	No. of Houses.	Rental Assessment.	No. of Houses.	Rental Assessment.	No. of Houses.	Rental Assessment.
		Tls.		Tls.		Tls.
Central District	681	2,200,486	687	2,164,504	684	2,215,034
Northern do.	1,078	904,599	1,073	895,737	1,077	878,618
Eastern do.	662	814,985	627	788,513	612	769,610
Western do.	918	1,090,836	867	1,038,785	843	1,006,956
Outside Settlement Limits	491	328,593	437	287,171	401	259,055
Total	3,830	5,339,499	3,691	5,174,710	3,617	5,129,273
Occupied by Foreigners	2,806	3,994,456	2,751	3,927,744	2,625	3,738,623
do. Chinese	762	991,545	819	987,553	822	1,014,535
Unoccupied	262	353,498	121	274,413	170	376,115
Total	3,830	5,339,499	3,691	5,174,710	3,617	5,129,273
Tax Collected:—		Tls.		Tls.		Tls.
Central District		59,974		60,380		59,403
Northern do.		24,113		24,565		23,901
Eastern do.		22,208		21,944		21,160
Western do.		26,941		27,630		26,532
Outside Settlement Limits ...		4,297		3,602		3,295
Total		137,533		138,121		134,291

Chinese.

	1914.		1913.		1912.	
	No. of Houses.	Rental Assessment.	No. of Houses.	Rental Assessment.	No. of Houses.	Rental Assessment.
		\$		\$		\$
Central District	11,646	4,814,238	12,049	4,241,636	12,174	4,194,954
Northern do.	15,885	2,344,694	16,110	2,223,734	15,986	2,109,443
Eastern do.	14,363	1,125,703	13,894	1,039,818	13,459	985,530
Western do.	12,406	1,429,887	11,356	1,190,298	10,842	1,068,678
Outside Settlement Limits	1,069	95,248	987	84,382	1,114	91,862
Total	55,369	9,809,770	54,396	8,779,868	53,575	8,450,467
Occupied by Foreigners	1,639	356,549	1,641	346,481	1,502	333,931
do. Chinese	52,555	9,103,415	52,117	8,239,599	50,814	7,878,507
Unoccupied	1,175	349,806	638	193,788	1,259	238,029
Total	55,369	9,809,770	54,396	8,779,868	53,575	8,450,467
Tax Collected:—		\$		\$		\$
Central District		140,859		124,678		122,788
Northern do.		68,248		64,692		61,484
Eastern do.		32,024		30,169		27,485
Western do.		39,331		34,865		31,206
Outside Settlement Limits ...		1,365		1,190		1,275
Total		281,827		255,594		244,238

E. L. ALLEN, *Overseer of Taxes*

TENDERS FOR PUBLIC WORKS AND OTHER REQUIREMENTS.

CONDITIONS GOVERNING MUNICIPAL TENDERS.

1. The Council reserves to itself the right to accept the whole or part of any tender.
2. The Council does not bind itself to accept the lowest or any tender or to pay any expenses which the tenderers may incur in tendering.
3. The contractor whose tender is eventually accepted may be required to give satisfactory security for the performance of the contract.
4. The names of tenderers, with prices quoted, will be published in the Municipal Gazette.
5. A fee may be charged for specifications, to be returned upon receipt of a *bond fide* tender.
6. Tenders, sealed and labelled on the outside as to their contents, should be forwarded, preferably by post book or registered letter, to "The Secretary, Municipal Council, 24 Kiangse Road" not later than noon on the day fixed for their receipt.

程章信攬承局部工

所有承攬事件由英文開列於下

一 所有承攬各項工程之價目及一切細則均由工部局工程司核定其價目之高低由工部局工程司酌量而定其價目之高低由工部局工程司酌量而定其價目之高低由工部局工程司酌量而定

二 所有承攬各項工程之價目及一切細則均由工部局工程司核定其價目之高低由工部局工程司酌量而定其價目之高低由工部局工程司酌量而定其價目之高低由工部局工程司酌量而定

三 所有承攬各項工程之價目及一切細則均由工部局工程司核定其價目之高低由工部局工程司酌量而定其價目之高低由工部局工程司酌量而定其價目之高低由工部局工程司酌量而定

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TENDERS INVITED.

No.	Description.	Fee	Date for receipt of tenders.
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VOLUNTEER CORPS.

Information as to tenders under this Section may be obtained at Headquarters, 15 Canton Road.

1.	2,500 yards Khaki Drill	—	March 31.
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POLICE FORCE.

Information as to tenders under this Section may be obtained from the Storekeeper, Gordon Road.

52.	500 Brown Blankets 84in. by 60in. 5lb each. To be delivered on or before October 15.	—	April 15.
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PUBLIC WORKS DEPARTMENT.

Information as to tenders under this Section may be obtained at the Public Works Offices, 7a The Bund.

240	Construction of a wooden bunding in the West Soochow Road, north of Macao Road.	—	February 27.
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ELECTRICITY DEPARTMENT.

Information as to tenders under this Section may be obtained at the Electricity Offices, 66 Szechuen Road.

118.	17,500 Drawn Wire Metal Filament Lamps	Tls. 5	February 18.
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